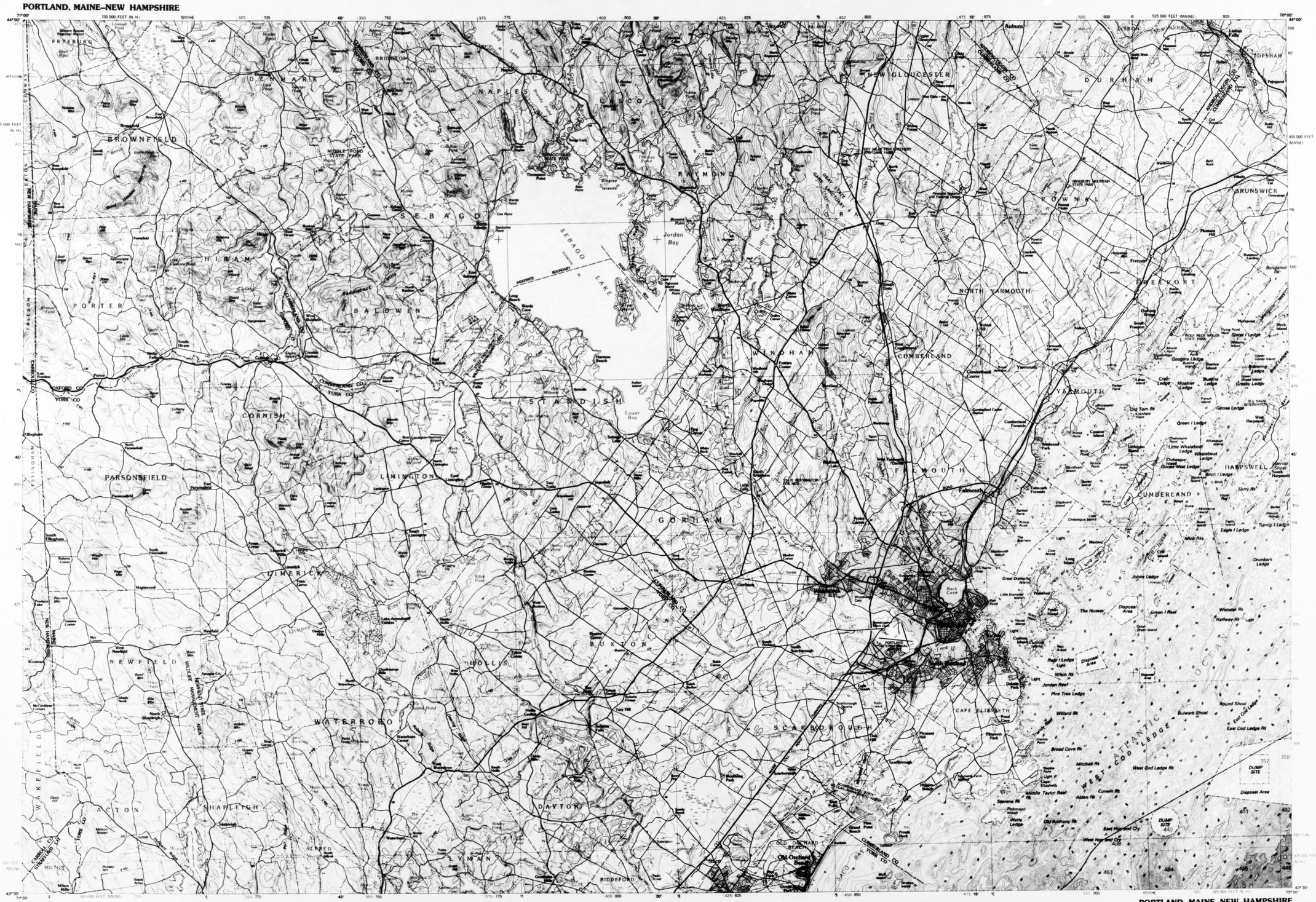
PORTLAND, MAINE–NEW HAMPSHIRE



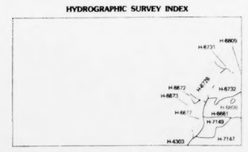
SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 10 METERS

PORTLAND, MAINE–NEW HAMPSHIRE
43070-E1-TB-100
1985
PHOTOINSPECTED 1988

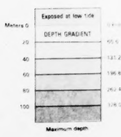
HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-4301	1959	1:20,000	00.25
H-6891	1961	1:20,000	00.25
H-6873	1941	1:5,000	01.00
H-6872	1941	1:5,000	01.00
H-6877	1941	1:10,000	01.14
H-6728	1941-43	1:10,000	03.00
H-6732	1941-43	1:10,000	01.14
H-6733	1941-43	1:10,000	01.07
H-6868	1942	1:10,000	01.14
H-6869	1942-43	1:10,000	01.08
H-7143	1946	1:40,000	04.40
H-7148	1946-47	1:20,000	08.25

HYDROGRAPHIC SURVEY INDEX



Photographic copies of the above and prior surveys may be obtained at the cost of reproduction by addressing the Director (N/CG), National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852.



43070-E1-TB-100

Portland
MAINE–NEW HAMPSHIRE

1:100 000-scale *metric*
topographic—bathymetric map

30 X 60 MINUTE QUADRANGLE SHOWING

- **Contours and elevations in meters**
- **Highways, roads and other manmade structures**
- **Water features**
- **Woodland areas**
- **Geographic names**
- **Bathymetric contours in meters**

U. S. GEOLOGICAL SURVEY
NATIONAL OCEAN SERVICE

1985
PHOTOINSPECTED 1988

Produced by the United States Geological Survey and the National Ocean Service

Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1944-1983
Planimetry revised from aerial photographs taken 1972, 1982 and other source data. Revised information not field checked. Map edited 1985

Bathymetry compiled by the National Ocean Service from title coordinated hydrographic surveys. This information is not intended for navigational purposes.

Mean lower low water plotted line and mean high water shown with line compiled by NOS from title-coordinated aerial photographs. Apparent shoreline (water edge of vegetation) shown by light solid line

Projection and 10 000-meter grid, zone 19 Universal Transverse Mercator
15 000-foot grid ticks based on Maine coordinate system, west zone
and New Hampshire coordinate system
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines
4 meters south and 41 meters west

Offshore protraction survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protraction Diagram dated October 31, 1974. The protractions on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protraction Diagrams available from the Minerals Management Service

There may be private inholdings within the boundaries of the National or State reservations shown on this map

Map photoinspected using 1988 photographs
No major culture or drainage changes found

CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVAL 10 METERS, WITH SUPPLEMENTARY 2 METERS CONTOURS. MEAN LOWER LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

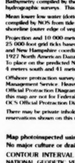
BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC SURVEY DATA COMPLIES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS

CONVERSION TABLE

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1233
5	16.4042
6	19.6850
7	22.9658
8	26.2467
9	29.5275
10	32.8084

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM



UTM grid convergence (UN) at the magnetic declination (MN) at center of map. Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Mt. Washington
2 Lewiston
3 Augusta
4 Lake Winnipesaukee
5 Bath
6 Concord
7 Rumney
8

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 22092, OR RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

Topographic Map Symbols

Primary highway, hard surface
Secondary highway, hard surface
Light duty road, principal street, hard or improved surface
Other road or street, trail
Route marker: Interstate, U.S., State
Railroad: standard gage, narrow gage
Bridge: overpass, underpass
Tunnel: road, railroad
Built up area, locality, elevation
Airport, landing field, landing strip
National boundary
State boundary
County boundary
National or State reservation boundary
Land grant boundary
U.S. public lands survey: range, township, section
Range, township, section line: protracted
Power transmission line, pipeline
Dam: dam with lock
Cemetery, building
Windmill, water well, spring
Mine shaft, adit or cave, mine, quarry, gravel pit
Campground, picnic area, U.S. location monument
Ruins, cliff dwelling
Distorted surface: strip mine, levee, spoil
Contours: index, intermediate, supplementary
Bathymetric contours: index, intermediate
Stream, lake: perennial, intermittent
Rapids, large and small; falls, large and small
Area to be submerged: marsh, swamp
Land subject to controlled inundation; woodland
Scrub, mangrove
Orchard, vineyard

A pamphlet describing topographic maps is available on request